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5 May 1970

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MEMORANDUM FOR: [REDACTED] CIA-OSR-SF/D

SUBJECT: Analysis of Selected Soviet Air Warning Radar Facilities

REFERENCES: [REDACTED]  
(NPIC Project 250519AE)

1. This memorandum, the fourth of a series in response to the referenced requirement, describes four of 68 selected Soviet air warning (AW) radar facilities. Each of the facilities discussed has been analyzed on all available high-resolution KEYHOLE photography. Annotated photographs and chronological tables are forwarded as attachments, and include the number and types of radars observed at individual facilities on specific missions. The dimensions given are accurate to within [REDACTED] with a 95% confidence level.

2. The selected AW radar facilities included in this memorandum are:

a. Pallasovka TALL KING AW Radar Facility  
50-02-30N 046-55-30E, [REDACTED]

The Pallasovka TALL KING AW Radar Facility (Attachments 1 and 1-A), located 1 nautical mile (nm) east of Pallasovka, USSR, consists of one TALL KING radar, one generator building, and three small support buildings. No housing or barracks units are identified at the facility.

b. Pirsagat AW Radar Facility  
39-49-50N 049-19-00E, [REDACTED]

The Pirsagat AW Radar Facility (Attachments 2 and 2-A), located 1.8 nm south-southwest of Pirsagat Airfield [REDACTED] consists of one BAR LOCK radar, one ROCK CAKE/STONE CAKE radar, one SQUAT EYE radar, one FORK REST-type very high frequency (VHF) antenna, three earth covered drive-in revetments, three revetments, one control building, one administration building, and six support buildings. No housing or barracks units are identified at the facility.

c. Baku AW Radar Facility  
40-24-//N 050-18-//E, [REDACTED]

The Baku AW Radar Facility (Attachments 3 and 3-A), located 18 nm east of Baku, USSR, consists of a radar area and a support area.

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The radar area contains one BAR LOCK radar, one THIN SKIN radar, two SPOON REST radars, two SIDE NET radars, two BACK NET radars, one re-vetted control building, two earth-covered drive-in revetments, two open-vehicle revetments, and three support buildings. The support area for the facility is located 1 nm to the east, and contains approximately 25 buildings, 1e of which are probably housing or barracks units with a total floorspace of 5,096 square meters (54,830 square feet). The Baku SAM Site BO9-2 [ ] is located 1 nm west of the Baku AW Radar Facility, and both appear to share the same support area.

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- d. Dombarovskiy TALL KING AW Radar Facility  
50-47-20N 059-32-00E, [ ]

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Dombarovskiy TALL KING AW Radar Facility (Attachments 4 and 4-A), located 2 nm north of Dombarovskiy, USSR, consists of one BAR LOCK radar, one TALL KING radar, two SIDE NET radars, one control building, six unoccupied radar mounds, five electronics vans, two vehicle revetments, and one covered revetment at the base of the BAR LOCK radar mound. The adjacent support area consists of 29 buildings, eight of which are probably housing or barracks units with a total floorspace of 4,550 square meters (48,945 square feet). The Dombarovskiy Airfield [ ] is located 1 nm north of the AW facility and both appear to share the same support area.

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3. This is a partial response to the requirement. Any further inquiries should be directed to [ ] NPIC/IEG/SD/EB, IDS Code 143,  
[ ]

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[ ]  
Chief, Imagery Exploitation Group  
NPIC

Attachments:

- 1 Pallasovka TALL KING AW Radar Facility
- 1-A Radars Observed at Pallasovka TALL KING AW Radar Facility
- 2 Pirsagat AW Radar Facility
- 2-A Radars Observed at Pirsagat AW Radar Facility

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- 3 Baku AW Radar Facility
- 3-A Radars Observed at Baku AW Radar Facility
- 4 Dombarovskiy TALL KING AW Radar Facility
- 4-A Radars Observed at Dombarovskiy TALL KING AW Radar Facility

## Distribution:

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